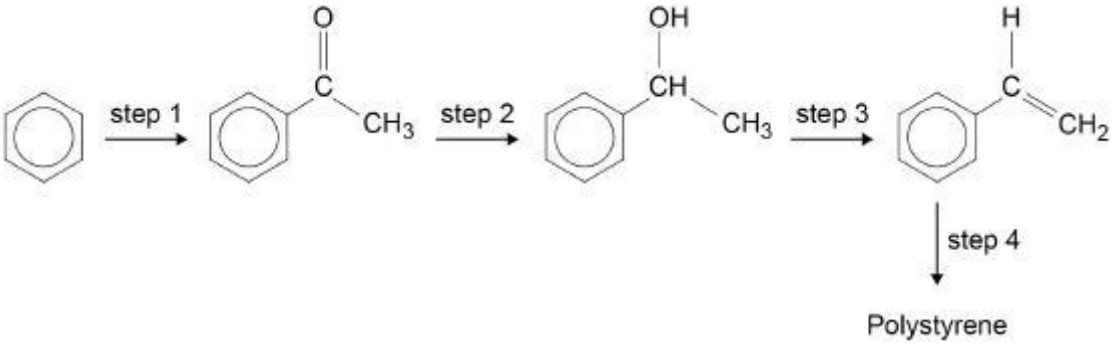
Practice Question Set For A-Level
Subject : Chemistry
Paper-2 Topic: Aromatic Chemistry

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Name of the Student:_____
Max. Marks : 11 Marks **Time : 11 Minutes**

Q1.

Polystyrene can be made from benzene in the series of steps shown.



(a) State the type of reaction in step **1**.

Identify the reagent(s) and conditions needed for step **1**.

Type of reaction _____

Reagent(s) _____

Conditions _____

(3)

(b) State the name of the mechanism for the reaction in step **2**.

Identify the inorganic reagent needed for step **2**.

Name the organic product of step **2**.

Name of mechanism _____

Inorganic reagent _____

Name of organic product _____

(3)

(c) The organic product of step **2** is reacted with concentrated sulfuric acid in step **3**.

Outline the mechanism for step **3**.

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(3)

(d) Draw the repeating unit of polystyrene.

(1)
(Total 10 marks)

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Q2.

Which one of the following does **not** contain any delocalised electrons?

A poly(propene)

B benzene

C graphite

D sodium

(Total 1 mark)

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